

## SPECIFICATION SHEET

### • P5NG GLASS DOOR MEDIUM TEMPERATURE MERCHANDISERS •

**Refrigeration Data:**

MODEL	CASE LENGTH	CASE USAGE	DOOR TYPE	CAPACITY (BTUH / DR)		EVAPORATOR (°F)	UNIT SIZING (°F)	DISCHARGE AIR		AVG. REF. CHARGE (LBS/DR)
				PARALLEL	CONVENTIONAL			TEMP (°F)	VELOCITY (FPM)	
P5NG	ALL	MED TEMP	ANTHONY 101	864*	885*	+27**	+25	+34	290	0.92***

**NOTES:** \* Capacity data listed is for cases with ECM fan motors and T-8 electronic vertical lighting (Prism). Lights remain on during defrost.

**See Capacity Adjustments below:**

**ADD** 90 Btuh/Dr for cases using standard fan motors.

**ADD** 500 Btuh per glass end for medium temperature cases.

**DEDUCT** 215 Btuh/Dr for cases using LED lighting that is ON 24 hours a day.

\*\* Evaporator temperature is based on the saturated pressure leaving the case.

\*\*\* This is an average refrigeration charge per door based on R-22 and R-404A refrigerant usage.

FOR SPECIFIC COMPRESSOR SIZING INFORMATION, REFER TO TYLER APPLICATIONS FOR RACK SYSTEM COMPRESSORS AND/OR THE COMPRESSOR MANUFACTURERS FOR SINGLE COMPRESSORS. FOR LINE SIZING INFORMATION, REFER TO THE MISCELLANEOUS SECTION "BUFF" IN THE TYLER SPECIFICATION GUIDE.

**Electrical Data:**

Fans and T-8 Lighting with Electronic Ballasts or LED Lighting with Electronic Drivers (120 Volt) (ANTHONY)

MODEL	NO. OF DOORS	FANS / CASE	TOTAL FOR STANDARD FANS		TOTAL FOR ECM FANS		VERTICAL T-8 (58-WATT)		LED LIGHTING			
			AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	OPTIMAX		GELCORE	
			AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS
P5NG	2	2	1.06	96.0	0.64	34.0	1.45	174.0	0.58	70.0	0.70	82.0
P5NG	3	3	1.59	144.0	0.96	51.0	1.94	233.0	0.77	92.0	1.05	123.0
P5NG	4	4	2.12	192.0	1.28	68.0	2.42	290.0	0.96	115.0	1.40	164.0
P5NG	5	5	2.65	240.0	1.60	85.0	2.91	349.0	1.15	138.0	1.75	205.0

Heaters (120 Volt) (ANTHONY)

MODEL	NO. OF DOORS	ANTI-SWEAT HEATERS (120 V)					
		T-8 MAIN FRAME**		LED MAIN FRAME		ANTHONY 101*	
		AMPS	WATTS	AMPS	WATTS	AMPS	WATTS
P5NG	2	0.23	28.0	0.28	34.0	0.15	18.0
P5NG	3	0.37	44.0	0.42	50.0	0.22	26.0
P5NG	4	0.47	56.0	0.57	68.0	0.29	35.0
P5NG	5	0.59	70.0	0.71	85.0	0.37	44.0

\* Only door anti-sweat heaters are cyclable.

\*\* If fans and main frame anti-sweats share the same power supply, make sure to add the electrical usages when sizing the electrical circuits.

**Please note this is not a recommended practice.**

CASE-TO-CASE SUCTION LINE SUB-FEED BRANCH LINE SIZING														
DRS	2	3	4	5	6	7	8	9	10	11	12	13	14	15
R-22	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"

**Defrost Data:**

DEFROST TYPE	DEFROSTS PER DAY	DURATION TIME (MIN)	TERMINATION TEMP. (°F)	EPR SETTINGS *		DEFROST WATER (LB / DR / DAY)
				R22 (PSIG)	R404A (PSIG)	
TIME OFF	1	34	-----	51.2	65.1	0.55

\* Set EPR to give this pressure at the case.

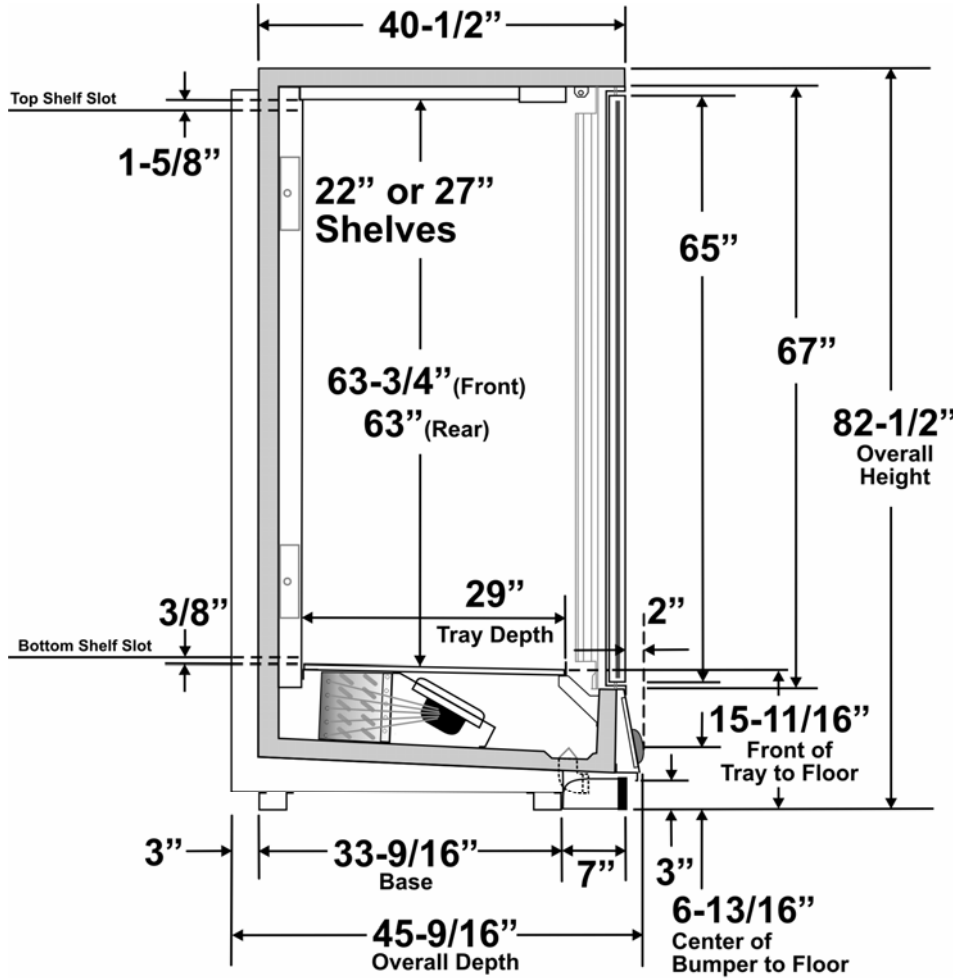
**CASE CIRCUITS:** This case requires a separate 120V circuit for fans, lights and anti-sweats. The anti-sweat circuit feeds power to both the cyclable and non-cyclable heaters.

**UL SANITATION** approved in accordance with ANSI/NSF – 7.

**CASE BTUH REQUIREMENTS** are calculated to produce approximately the indicated entering-air temperature with absolute maximum operating ambient limits of **75°F & 55RH**.

The information contained herein is based on technical analysis and/or tests performed in a controlled lab environment that are consistent with industry practices, and is intended as a reference for system sizing and configuration purposes only and for use by persons having technical skill at their own discretion and risk. Conditions of use are outside of Tyler's control and we do not assume and hereby disclaim any liability for results obtained or damages incurred through application of or reliance on the data presented, including but not limited to specific energy consumption with any particular model or installed application. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

**P5NG CROSS SECTION**



**FLOOR PLAN**

A 3" SPACE between the back of this case and the store wall, is provided with the case structure to minimize possible condensation problems. FORCED VENTILATION may be necessary in some situations.

